

State of Wisconsin/Department of Transportation
RESEARCH PROGRESS REPORT FOR THE QUARTER ENDING: Dec 31, 2008

Program: SPR-0010(36) FFY99		Part: II Research and Development	
Project Title: Data Integration and Partnership for Statewide Transportation Planning		Project ID: 0092-07-23	
Administrative Contact: Daniel Yeh		Sponsor: Wisconsin Department of Transportation	
WisDOT Technical Contact: Jim McDonnell		Approved Starting Date: September 1, 2007	
Approved by COR/Steering Committee: \$79,989		Original End Date: February 28, 2009	
Project Investigator (agency & contact): Jessica Y. Guo Department of Civil and Environmental Engineering University of Wisconsin - Madison		Current End Date: March 28, 2009	
		Number of Extensions: 0	

Percent Complete: 90%

Request a No Cost Time Extension (Please Select One): ☐ YES ☒ NO

Reason for No Cost Time Extension: N/A

Project Description:

This project aims to thoroughly assess the data availability, accessibility, and interoperability issues arisen from the transportation planning process in Wisconsin and identify possible approaches for addressing these issues. The specific research activities include:

1. Synthesize the best practices of data integration and partnership for transportation planning in the nation and abroad.
2. Identify the business and analytical processes constituting the current statewide transportation planning practice in Wisconsin and catalog the data currently used to support the processes.
3. Identify and document barriers to the access and integration of planning-related data, as well as current/future data needs that better support transportation modeling and planning activities in Wisconsin.
4. Develop data and process flow diagrams to reflect the desired movement and inter-relationships of data for supporting current and future transportation planning needs.
5. Recommend methodologies for overcoming the barriers to data integration and partnership within WisDOT, as well as between WisDOT and other agencies. Identify the next steps to further evaluate the cost effectiveness of the recommended methodologies.
6. Prepare final report.

Progress This Quarter:

(Includes project committee mtgs, work plan status, contract status, significant progress, etc.)

- Based on further interviews with data users and custodians/managers, the research team has completed the Excel-based data catalog and the data flow model that document and describe existing datasets often used to support state planning. These deliverables are being reviewed by members of the project committee.
- A set of recommendations for addressing planning data access challenges in WisDOT have been formulated.
- The research team met with the project committee on Dec 10th and gave a presentation on the research methodology and outcomes to-date. At the meeting, the committee discussed the products described in the previous bullet points.
- Write up of the final report is in progress.

Work Next Quarter:

- Finalize the data catalog and flow model based on the project committee's feedback.
- Provide a draft research report by January end for the project committee to review.

